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Datasheet

GRP monoclonal antibody (M03), clone 3A11

Catalog Number: H00002922-M03

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full-length recombinant GRP.

Clone Name: 3A11

Immunogen: GRP (AAH04488, 1 a.a. ~ 148 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MRGRELPLVLLALVLCLAPRGRAVPLPAGGGTVLTKM
YPRGNHWAVGHLMGKKSTGESSSVSERGSLKQQLRE
YIRWEEAARNLLGLIEAKENRNHQPPQPKALGNQQPS
WDSEDSSNFKDVGSKGKVGRLSAPGSQREGRNPQL
NQQ

Host: Mouse

Reactivity: Human

Applications: ELISA, S-ELISA, WB-Re, WB-Tr
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2922

Gene Symbol: GRP

Gene Alias: BN, GRP-10, preproGRP, proGRP

Gene Summary: This gene encodes a member of the bombesin-like family of gastrin-releasing peptides. Its preproprotein, following cleavage of a signal peptide, is further processed to produce either the 27 aa gastrin-releasing peptide or the 10 aa neuromedin C. These smaller peptides regulate numerous functions of the gastrointestinal and central nervous systems, including release of gastrointestinal hormones, smooth muscle cell contraction, and epithelial cell proliferation. These peptides are also likely to play a role in human cancers of the lung, colon, stomach, pancreas, breast, and prostate. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq]